

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

From: Smallbeck, Donald R. [<mailto:Donald.Smallbeck@amecfw.com>]
Sent: Friday, September 30, 2016 10:18 AM
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Wayne Miller <Miller.Wayne@azdeq.gov>
Cc: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>; (Geoffrey.Watkin@cn-bus.com) <Geoffrey.Watkin@cn-bus.com>; Pearson, Stuart C. <Stuart.Pearson@amecfw.com>; Davis, Eva <Davis.Eva@epa.gov>; Dan Pope <DPope@css-dynamac.com>; Rohrbaugh, Amanda <ARohrbaugh@TechLawInc.com>; Brasaemle, Karla <KBrasaemle@TechLawInc.com>; Levine, Herb <Levine.Herb@epa.gov>; steve@uxopro.com; Bo Stewart <bo@praxis-enviro.com>
Subject: ST012 Containment Field Variance Memo

BCT members

On behalf of the Air Force (AF), please find attached the ST012 Containment Field Variance Memo (FVM). The AF and Amec Foster Wheeler are preparing to start implementing the construction for containment as described in the FVM the week of October 10, 2016. To support this schedule, it would be appreciated if EPA and ADEQ could identify any comments or concerns with the FVM by 10 October 2016. If we do not hear from the EPA or ADEQ by October 10, 2016 construction activities will proceed. Please let Cathy know if additional information is needed or it would be useful to have a conference call prior to mobilization.

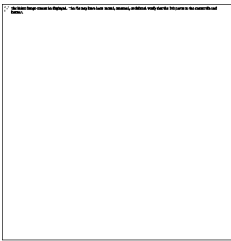
Additionally, The AF offers the following responses to the elements requested for the work plan in the email from EPA dated 15 September 2016.

- * which wells will be used; **Response: The wells are listed.**
- * well construction details; **Response: Well construction diagrams are included.**
- * intended extraction rates; **Response: Wells will be level controlled rather than flow controlled. Estimates of overall extraction rates are discussed but will be refined during optimization.**
- * hydraulic capture model; **Response: Hydraulic capture modelling is not necessary at this time. AF expects to establish containment through active extraction and monitoring as was conducted during the pre-SEE containment extraction period. The evaluation of containment effectiveness would be based on post-SEE characterization results, the new monitoring network, and the observed hydraulic response after startup of the containment extraction system.**
- * pumps to be used and contingency for backup replacement pumps; **Response: Pump model numbers and number of backups are indicated.**

- * consideration of accumulated NAPL recovery in pumped wells; **Response: Discussion of considerations for accumulated LNAPL are included.**
- * treatment system design and configuration; **Response: Treatment system design and configuration from Addendum 2 is included.**
- * field logistics/ personnel; and **Response: An estimated schedule is provided.**
- * health and safety concerns with heated fluids **Response: Health and safety aspects are included.**

D.R. Smallbeck
Principal Program Manager
Construction Remediation

Amec Foster Wheeler
4600 E Washington Street, Suite 600
Phoenix, Arizona 85034
Tel: 602-733-6040
Cell: 707-480-7212
Donald.Smallbeck@amecfw.com
amecfw.com



This message is the property of Amec Foster Wheeler plc and/or its subsidiaries and/or affiliates and is intended only for the named recipient(s). Its contents (including any attachments) may be confidential, legally privileged or otherwise protected from disclosure by law. Unauthorised use, copying, distribution or disclosure of any of it may be unlawful and is strictly prohibited. We assume no responsibility to persons other than the intended named recipient(s) and do not accept liability for any errors or omissions which are a result of email transmission. If you have received this message in error, please notify us immediately by reply email to the sender and confirm that the original message and any attachments and copies have been destroyed and deleted from your system. This disclaimer applies to any and all messages originating from us and set out above. If you do not wish to receive future unsolicited commercial electronic messages from us, **please forward this email to: unsubscribe@amecfw.com and include "Unsubscribe" in the subject line.** If applicable, you will continue to receive invoices, project communications and similar factual, non-commercial electronic communications.

Please click <http://amecfw.com/email-disclaimer> for notices and company information in relation to emails originating in the UK, Italy or France.